

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20070121051".pn.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 12:59
S2	4	("20030117570"   "7088418").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 13:04
S3	135	349/155-157.ccls. and ((column\$4) with (higher height)) and seal\$4	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 13:25
S4	94	S3 and @ad<"20041008"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 13:29
S5	1	"10861525"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 14:13
S6	2	"20030025868"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 14:32
S8	2	"7113249"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 15:04

S9	71	S3 and @ad< "20031016"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 15:05
S11	63	349/155-157.ccls. and ((column\$4) with (higher height)) and seal\$4 and (spacer with (width length thickness diameter)) and @ad< "20031016"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 15:15
S13	19	349/155-157.ccls. and (spacer with (groove))	USPAT	OR	ON	2008/07/08 10:19
S14	34	349/155-157.ccls. and (spacer with (groove recess))	USPAT	OR	ON	2008/07/08 10:19
S15	1648	349/155-157.ccls. and @ad< "20031016"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/08 10:31
S18	89	349/155-157.ccls. and @ad< "20031016" and (spacer with (convex concav \$4 groove recess))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/08 10:53
S19	280	349/155-157.ccls. and @ad< "20031016" and (rate)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:19
S20	67	(US-20060007384-\$ or US-20040114087-\$ or US-20030137631-\$ or US-20020167636-\$ or US-20020075443-\$ or US-20030043326-\$ or US-20020080320-\$ or US-20070236645-\$ or US-20050099581-\$ or US-20010026347-\$ or US-20020075436-\$ or US-20020063834-\$ or US-20040114081-\$).did. or (US-6724447-\$ or US-6678030-\$ or US-6141078-\$ or US-6124917-\$ or US-6211937-\$ or US-6147729-\$ or US-6705584-\$ or US-7304712-\$ or US-6493050-\$ or US-	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 16:35

		6671025-\$ or US-6690441-\$ or US-7057695-\$ or US-6836308-\$ or US-6906768-\$ or US-7277146-\$ or US-6067144-\$ or US-6850309-\$ or US-6566154-\$ or US-6356330-\$ or US-6266122-\$ or US-6710825-\$ or US-7145619-\$).did.				
S21	2	10/861525	US_PGPUB; USPAT; USOCR	OR	ON	2009/01/13 16:58
S22	12	349/157.ccls. and @ad<"20031016" and (rate)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:10
S23	31	("20010052959"   "20020005929"   "20020054267"   "20020171800"   "20030025868"   "20030048403"   "20030090609"   "20040201815"   "5459598"   "5499128"   "5969784"   "6067144"   "6287733"   "6339462"   "6583846"   "6850309").PN.	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:12
S24	277	349/155-156.ccls. and @ad<"20031016" and (rate)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:16
S25	56	S20 and @ad<"20031016"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:17
S26	29	S23 and @ad<"20031016"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 17:19
S27	32	349/155-156.ccls. and @ad<"20031016" and ((rate) with (every per))	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/13 23:15

S28	28	("5610741").PN. OR ("6259500").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 11:22
S29	4	"7088418"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 11:39
S30	28	("4490015"   "5668651"   "5726728"   "6061117").PN. OR ("6266122").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 12:01
S31	19	"5537235" "20040130671"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 12:51
S32	455	349/155-156.ccls. and (height thickness) and (width length diameter circumference) and (rate concentration distribution density) and @ad<"20031016"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 12:57
S33	676	349/155-157.ccls. and @ad<"20031016"	USPAT	OR	ON	2009/01/14 14:20
S34	559	349/155-157.ccls. and (rate concentration distribution density) and @ad<"20031016"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 14:32
S35	47	349/157.ccls. and (rate concentration distribution density) and @ad<"20031016"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 14:33
S36	629	S33 not S35	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 14:53
S37	17	yokoyama-naoto.in. usukura-naru.in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 14:54
S38	146	349/155-157.ccls. and (range with (height thickness)) and @ad<"20031016"	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/14 15:02
S48	99	349/157.ccls. and @ad<"20031016"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/10 13:34
S49	2	"5815232".pn. "20010026348".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/10 14:04
S50	735	349/155-157.ccls. and (@ad<"20031016" @rlad<"20031016")	USPAT	OR	ON	2010/02/25 13:28
S53	744	349/155-157.ccls. and (@ad<"20031225" @rlad<"20031225")	USPAT	OR	ON	2010/02/26 15:18

S54	735	349/155-157.ccls. and (@ad<"20031016" @rlad<"20031016")	USPAT	OR	ON	2010/02/26 15:18
S55	9	S53 not S54	USPAT	OR	ON	2010/02/26 15:18
S56	937	349/155-157.ccls. and (@ad<"20031225" @rlad<"20031225")	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/26 15:21
S57	193	S56 not S53	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/26 15:21

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S51	42	spacer.clm. and groove.clm. and diameter.clm. and (micron micrometer ".mu.m" nm nanometer).clm.	USPAT; UPAD	OR	ON	2010/02/25 14:56
S52	104	spacer.clm. and (thickness width).clm. and height.clm. and rate.clm.	USPAT; UPAD	OR	ON	2010/02/25 14:58

2/26/2010 3:24:51 PM

C:\Documents and Settings\cchang3\My Documents\EAST\Workspaces\10574617.wsp